

## EAST Search History

S13 0	103	S129 and (battery cell module).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/01 13:49
S13 1	87	((battery adj operat\$4) adj (vehicle car automobile auto)).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/01 13:52
S13 2	20124	((((battery adj operat\$4) electric) adj (vehicle car automobile auto)).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/01 13:52
S13 3	215	S132 and (monitor\$4 measur\$4 determin\$4) adj vehicle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/01 16:03
S13 4	1751	S132 and (monitor\$4 measur\$4 determin\$4) with vehicle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/01 13:56

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	36	((("2,104,769") or ("2,104,773") or ("2,187,197") or ("2,717,045") or ("3,867,681") or ("3,870,855") or ("3,898,547") or ("3,904,947") or ("3,977,490") or ("4,218,644") or ("4,435,675") or ("4,724,332") or ("4,840,855") or ("4,976,327") or ("5,015,545") or ("5,031,712") or ("5,142,162") or ("5,215,834") or ("5,323,737") or ("5,332,958") or ("5,627,448") or ("5,646,507") or ("5,650,710") or ("5,672,973") or ("5,773,962") or ("5,864,106") or ("5,937,664") or ("6,107,779") or ("6,300,763") or ("6,362,594") or ("6,424,157") or ("6,437,537") or ("6,481,230") or ("6,541,942"))).PN.	USPAT; USOCR	OR	OFF	2005/07/11 12:48
S2	49	((("5631536") or ("5670861") or ("5773962") or ("5202617") or ("5548200") or ("5952813") or ("6225780") or ("6225780") or ("4309644") or ("5594318") or ("5929596") or ("4146825") or ("4258304") or ("5200688") or ("5289103") or ("5309073") or ("5327066") or ("5545967") or ("5594317") or ("5596258") or ("5600222") or ("5646507") or ("5659240") or ("5666042") or ("5712549") or ("5717310") or ("5727372") or ("5734237") or ("5742229") or ("5751137") or ("5783872") or ("5793189") or ("5803215") or ("5821755") or ("5864223") or ("5881559") or ("5926004") or ("5939865") or ("5969507") or ("5977744") or ("6548985") or ("6741065") or ("4330742") or ("4836444") or ("5670830") or ("5910714") or ("6040683") or ("6081205") or ("6104160") or ("6232743"))).PN.	USPAT; USOCR	OR	OFF	2005/06/27 17:19
S4	41	S3 and cool\$4	USPAT	OR	ON	2005/06/27 18:00
S5	415	(320/150).CCLS.	USPAT; USOCR	OR	OFF	2005/06/27 18:00
S6	112	S5 and cool\$4	USPAT	OR	ON	2005/06/28 16:03
S7	30	S6 and fan	USPAT	OR	ON	2005/06/27 18:00

## EAST Search History

S8	3	("4474862"   "5585204"   "5932365").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/28 15:55
S9	1278	(361/694,695).CCLS.	USPAT; USOCR	OR	OFF	2005/06/28 16:06
S10	1088	(361/695).CCLS.	USPAT; USOCR	OR	OFF	2005/06/28 16:06
S11	98	S10 and battery	USPAT	OR	ON	2005/06/28 16:56
S15	415	(320/150).CCLS.	USPAT; USOCR	OR	OFF	2005/06/29 12:03
S20	122	S15 and (vehicle car automobile)	USPAT	OR	ON	2005/06/29 16:59
S21	3	("4474862"   "5585204"   "5932365").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/29 14:38
S22	0	429/62,61	USPAT	OR	ON	2005/06/30 09:46
S23	523	(429/62,61).CCLS.	USPAT; USOCR	OR	OFF	2005/06/30 09:46
S24	98	S23 and (vehicle car automobile)	USPAT	OR	OFF	2005/07/08 17:59
S25	12	("3110633"   "3309234"   "4331209"   "4864974"   "4980588"   "5036803"   "5058660"   "5280852"   "5291960"   "5531285").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/30 12:27
S28	217	(320/104).CCLS.	USPAT; USOCR	OR	OFF	2005/06/30 13:52
S29	1	("5461299").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/30 17:29
S30	518	(fan blower) with cool\$4 with (battery cell) and (vehicle car automobile)	USPAT	OR	ON	2005/07/05 17:24
S31	294	S30 and charg\$4	USPAT	OR	ON	2005/06/30 17:33
S32	80	cooling control battery charging	US-PGPUB	SAME	ON	2005/07/05 12:15
S33	33	cooling control battery charging	US-PGPUB	WITH	ON	2005/07/05 15:19
S35	85	sensor charg\$4 (start or begin) (battery or cell or module)	USPAT	WITH	ON	2005/07/05 15:37
S36	405	detect\$3 charg\$4 (start or begin) (battery or cell or module)	USPAT	WITH	ON	2005/07/05 15:37
S37	149	detect\$3 charg\$4 (start or begin) (battery or cell or module) and (vehicle or car or automobile)	USPAT	WITH	ON	2005/07/05 15:37
S42	108	connect\$4 with (battery cell module) with charg\$4 same (fan blower) and (vehicle car automobile)	USPAT	OR	ON	2005/07/06 15:42

## EAST Search History

S46	1	("6188202").PN.	USPAT; USOCR	OR	OFF	2005/07/06 17:00
S47	1	("6411063").PN.	USPAT; USOCR	OR	OFF	2005/07/06 18:14
S48	1	("5652500").PN.	USPAT; USOCR	OR	OFF	2005/07/07 11:36
S54	1	("6087805").PN.	USPAT; USOCR	OR	OFF	2005/07/08 13:35
S59	1	("5,844,398").PN.	USPAT; USOCR	OR	OFF	2005/07/07 17:51
S61	1	("6859013").PN.	USPAT; USOCR	OR	OFF	2005/07/08 14:17
S62	3	("5814788"   "5869969"   "6347029").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/08 14:18
S63	192	(320/139).CCLS.	USPAT; USOCR	OR	OFF	2005/07/08 14:19
S64	8	S63 and fan	USPAT	OR	ON	2005/07/08 14:22
S65	218	(320/104).CCLS.	USPAT; USOCR	OR	OFF	2005/07/08 14:22
S66	35	S65 and (fan blower)	USPAT	OR	ON	2005/07/08 14:38
S67	1	("6411063").PN.	USPAT; USOCR	OR	OFF	2005/07/08 14:43
S71	26	(US-5323099-\$ or US-5461299-\$ or US-5583418-\$ or US-5647450-\$ or US-5652500-\$ or US-5844398-\$ or US-5937664-\$ or US-5982152-\$ or US-6087805-\$ or US-6138466-\$ or US-6188202-\$ or US-6316907-\$ or US-6344728-\$ or US-6362594-\$ or US-6362600-\$ or US-6411063-\$ or US-6422027-\$ or US-6433509-\$ or US-6437537-\$ or US-6569556-\$ or US-6597572-\$ or US-6624615-\$ or US-6705101-\$ or US-6750630-\$ or US-6762590-\$ or US-6859013-\$). did.	USPAT	OR	OFF	2005/07/08 16:38
S72	20	S71 and fan	USPAT	OR	OFF	2005/07/08 16:39
S73	1055	(switch relay) with (battery cell module) with (fan blower)	USPAT	OR	ON	2005/07/11 12:54
S74	687	S73 and (connect or series)	USPAT	OR	ON	2005/07/11 13:05
S75	0	"100911839".an.	USPAT	OR	OFF	2005/07/11 13:06
S76	0	"100911839".ap.	USPAT	OR	OFF	2005/07/11 13:06
S77	0	"100911839".ap.	US-PGPUB; USPAT	OR	OFF	2005/07/11 13:59

## EAST Search History

S78	9840	filter with fan	US-PGPUB; USPAT	OR	ON	2005/07/11 14:16
S79	352	filter with fan with (switch relay)	US-PGPUB; USPAT	OR	ON	2005/07/11 14:17
S80	39	filter with between with switch with fan	USPAT	OR	ON	2005/07/11 14:20
S81	0	filter between switch fan	USPAT	NEAR	ON	2005/07/11 14:21
S82	0	filter between switch fan	USPAT	ADJ	ON	2005/07/11 14:21
S83	1	filter switch fan	USPAT	NEAR	ON	2005/07/11 14:21
S85	220	filter switch fan	USPAT	WITH	ON	2005/07/11 14:33
S86	0	filter (between series) switch fan	USPAT	WITH	ON	2005/07/11 14:34
S87	39	filter (between or series) switch fan	USPAT	WITH	ON	2005/07/11 14:34
S10 1	8456	impedance with motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/27 18:59
S10 2	1146	(measur\$4 detect\$4 monitor\$4) with impedance with motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/27 19:00
S10 3	76	S102 and (fan blower)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/27 19:00
S10 4	26	S103 and charg\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/27 19:05

## EAST Search History

S10 5	36	(("2,104,769") or ("2,104,773") or ("2,187,197") or ("2,717,045") or ("3,867,681") or ("3,870,855") or ("3,898,547") or ("3,904,947") or ("3,977,490") or ("4,218,644") or ("4,435,675") or ("4,724,332") or ("4,840,855") or ("4,976,327") or ("5,015,545") or ("5,031,712") or ("5,142,162") or ("5,215,834") or ("5,323,737") or ("5,332,958") or ("5,627,448") or ("5,646,507") or ("5,650,710") or ("5,672,973") or ("5,773,962") or ("5,864,106") or ("5,937,664") or ("6,107,779") or ("6,300,763") or ("6,362,594") or ("6,424,157") or ("6,437,537") or ("6,481,230") or ("6,541,942")).PN.	USPAT; USOCR	OR	OFF	2006/07/27 19:05
S10 6	49	(("5631536") or ("5670861") or ("5773962") or ("5202617") or ("5548200") or ("5952813") or ("6225780") or ("6225780") or ("4309644") or ("5594318") or ("5929596") or ("4146825") or ("4258304") or ("5200688") or ("5289103") or ("5309073") or ("5327066") or ("5545967") or ("5594317") or ("5596258") or ("5600222") or ("5646507") or ("5659240") or ("5666042") or ("5712549") or ("5717310") or ("5727372") or ("5734237") or ("5742229") or ("5751137") or ("5783872") or ("5793189") or ("5803215") or ("5821755") or ("5864223") or ("5881559") or ("5926004") or ("5939865") or ("5969507") or ("5977744") or ("6548985") or ("6741065") or ("4330742") or ("4836444") or ("5670830") or ("5910714") or ("6040683") or ("6081205") or ("6104160") or ("6232743")).PN.	USPAT; USOCR	OR	OFF	2006/07/27 19:05
S10 7	0	S105 and S106 and impd\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/27 19:05
S10 8	14869	("320").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/27 19:31

## EAST Search History

S109	5649	S108 and (vehicle car motor auto automobile)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/27 19:33
S110	4442	S109 and time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/27 19:32
S111	5461	S109 and (battery cell module)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/27 19:32
S112	1658	S108 and ((vehicle car motor auto automobile) with (time))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/27 19:35
S113	1442	S112 and charge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/27 19:33
S114	1196	S112 and (monitor\$4 measur\$4 detect\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/27 19:36
S115	114	S112 and (monitor\$4 measur\$4 detect\$4) with remain\$4 with charge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/27 19:37
S116	1	("6,449,870").PN.	USPAT; USOCR	OR	OFF	2006/08/01 19:49
S117	4	("6522148"   "6573688"   "6608468").PN. OR ("6762590").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/31 14:24
S118	2343	(battery cell module) same (charg\$4) same (cool\$4 fan) same (switch relay)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/31 14:25
S119	1033	(battery cell module) same (charg\$4) same (cool\$4 fan) with (switch relay)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/31 14:25

## EAST Search History

S12 0	820	((battery cell module) with (charg\$4)) same ((cool\$4 fan) with (switch relay))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/31 14:26
S12 1	404	S120 and (vehicle car automobile)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/31 14:46
S12 2	124	((battery cell module) with (charg\$4)) same ((cool\$4 fan) with (switch relay)) same (connect)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/31 14:27
S12 3	1146	(measur\$4 detect\$4 monitor\$4) with impedance with motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/31 18:36
S12 4	76	S123 and (fan blower)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/31 18:36
S12 5	7540	(monitor\$4 with (vehicle auto automobile car) with operation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/01 13:21
S12 6	135	S125 and ((battery cell module) with charg\$4).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/01 13:38
S12 7	187	(monitor\$4 with (vehicle auto automobile car) with operation) with (use usage non\$use)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/01 13:22
S12 8	1225	S125 and (electric with (vehicle car auto automobile))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/01 13:39
S12 9	313	S125 and (electric with (vehicle car auto automobile)).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/01 13:39